KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

= ______**(4** =

Type Test: Open Delive	Flow erabilty			Test Date		tions on Re	verse Side	, API	No. 15	2000		
Company				9/07/20	13	Lease		183	9-22024 - (Well Number	
Chesapeake Operating, Inc. County Location				Section		Muelle	Mueller		RNG (E/W)		-15 Acres Attributed	
Stevens C SW SE			15		33S		36W			Acres Attributed		
Walkeme					sippian			OneOk	hering Conn Energy Ser			
Completion Date 2/1/96				Plug Bac 6458	k Total Dept	h		Packer S	Get at			
Casing Size Weight 4.5 11.6			Internal Diameter 4.0		Set at 6500		Perforations 6036		т _о 6430			
Tubing Size 2.375	Tubing Size Weight 2.375 4.7		Internal Diameter 1.995		Set at 6496		Perfo	rations	То			
Type Completion (Describe) Single Gas				Type Flui Water	d Production				t or Traveling Plunger? Yes / No Unit			
Producing T	hru (An	nulus / Tubir	ng)	% C	arbon Dioxi	de		% Nitrog	en	Gas G	ravity - G _p	
Annulus Vertical Dept	th(H)				Press	sure Taps				(Meter	Run) (Prover) Size	
6500	.9-1.	9/6	3 2	. 13 . 0	7:00	/44¢ /=	9/	7		13 _{at} 07:00		
Pressure Bu	•	Shut in									(AM) (PM) (AM) (PM)	
		, .			OBSERVE	D CUDEAC	E DATA	.			. 24	
Static / Orifice Dynamic Size Property (inches)		Meter Differe Prover Pressure in		Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration of Shut- Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		psig (Pm)	Inches H ₂ 0			psig 93	psia 107.4	psig	psia 14.4	24		
Flow			-		<u> </u>	-		-	17.4	24		
11011					FLOW STR	EAM ATTO	IBIITES					
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Pressure		Gravity		Flowing Deviation Factor Frt Frt		ctor	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Granitu	
(P _c) ² =	;	(P _w) ² =	=:	(OPEN FLO	OW) (DELIVI) CALCUL ² c - 14.4) +		<u> </u>	(P _a)	² = 0.207 ² =	
$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_d)^2$		P _e) ² - (P _w) ²	Choose formule 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P.2-P.2	Backpres Stop Ass	ssure Curve be = "n" - or signed ard Slope	n x l	Γ٦	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	-			<u> </u>								
Open Flow			Mcfd @ 14.6	55 psia		Deliverab	ility			Mcfd @ 14.65 psi	ia	
The unde	ersigne	d authority, o	n behalf of the	Company, s	tates that he	s is duly au	thorized to	make the	•	rt and that he ha		
			aid report is true								, ₂₀ 13 RECEIVED S CORPORATION COM	
		Witness (if any)	*		_			For C	Company	OCT 2 3 201	
		For Comm	nission			-			Chec	ked by	CONSERVATION DIVIS	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Mueller 2-15 gas well on the grounds that said well: (Check one) is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER is on vacuum at the present time; KCC approval Docket No. Vision to capable of producing at a daily rate in excess of 250 mct/D I further agree to supply to the best of my ability any and all supporting documents deemed by Commissionstaff as necessary to corroborate this claim for exemption from testing. Date: 10/17/2013 Signature Dawn Richardson, Associate Regulatory Analyst		
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Title: Dawn Richardson, Associate Regulatory Analyst		Signature: Jum Villaudo
riug		Title: Dawn Richardson, Associate Regulatory Analyst
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Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test is corporation commission.